

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/011004

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60K28/16 B60K41/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B60K B60T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/084127 A1 (KOTTMANN MATTHIAS ET AL) 4 July 2002 (2002-07-04) claim 1	1-4, 8, 9, 11, 12, 14, 21
A	-----	10, 13
Y	-----	15-17
X	EP 1 270 352 A (LAND ROVER) 2 January 2003 (2003-01-02) claim 1	1, 21
X	DE 101 14 273 A (MUNNIX PASCAL) 2 October 2002 (2002-10-02) claim 9	1, 2, 21
Y	US 5 731 975 A (NAKASHIMA SEIICHI) 24 March 1998 (1998-03-24) page 1; claim 1; figure 1	15-17
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

4 November 2004

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17/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/054520 A1 (NAGAE AKIRA ET AL) 27 December 2001 (2001-12-27) abstract; claims 1,8-10 -----	5-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011004

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002084127	A1	04-07-2002	DE JP	19913825 A1 2000314331 A		28-09-2000 14-11-2000
EP 1270352	A	02-01-2003	EP GB US	1270352 A1 2377279 A 2002195873 A1		02-01-2003 08-01-2003 26-12-2002
DE 10114273	A	02-10-2002	DE	10114273 A1		02-10-2002
US 5731975	A	24-03-1998	JP JP DE	3314539 B2 7156780 A 19528553 A1		12-08-2002 20-06-1995 15-02-1996
US 2001054520	A1	27-12-2001	JP DE	2002002470 A 10130901 A1		09-01-2002 04-04-2002